



RLSVSYLRAKSFFD] of SEQ ID NO: 37 and alterations, substitutions, additions and deletions thereof.

22. (Amended) An isolated and purified polypeptide comprising a DNA binding domain of an Ah receptor protein wherein said DNA binding domain comprises the amino acid sequence[:

RKRRKPVQKTVKPIPAEGIKSNPSKRHRDRLNTELDRLASLLPFPQDVINKLDKLSV  
RLSVTYLRAKSFFD] of SEQ ID NO: 38 and alterations, substitutions, additions and deletions thereof.

26. (Amended) An isolated and purified polypeptide comprising a DNA binding domain of an Ah receptor protein wherein said DNA binding domain comprises the amino acid sequence[:

EFQRQLHWALNPSQCTESGQQGIEEATGLPQTVVCYNPDQIPPENSPLMERCFCIR  
LRCLLDNSSGFLAMNFQGKLKYLHGQKKKGKDGSILPPQLALFAIATPLQPPSILEIR  
TKNFIFRTKHKLDFTPIGCDAKGRIVLGYTEAELCTRGSGYOFIHAADMLYCAESHIR  
MIKTGESGMIVFRLLTKNRWTWVQSNARLLYKNGRP] of SEQ ID NO: 39 and alterations, substitutions, additions and deletions thereof.

27. An isolated and purified polypeptide comprising a ligand binding domain of an Ah receptor protein, wherein said ligand binding domain comprises the amino acid sequence[:

FMERCFCRCLRLCLLDNSSGFLAMNFQGRLKYLHGQNKKGKDGA  
PLQPPSILEIRTKNFIFRTKHKLDFTPIGCDAKGQLILGYTEVELCTRGSGYOFIHAAD